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Fig 1a

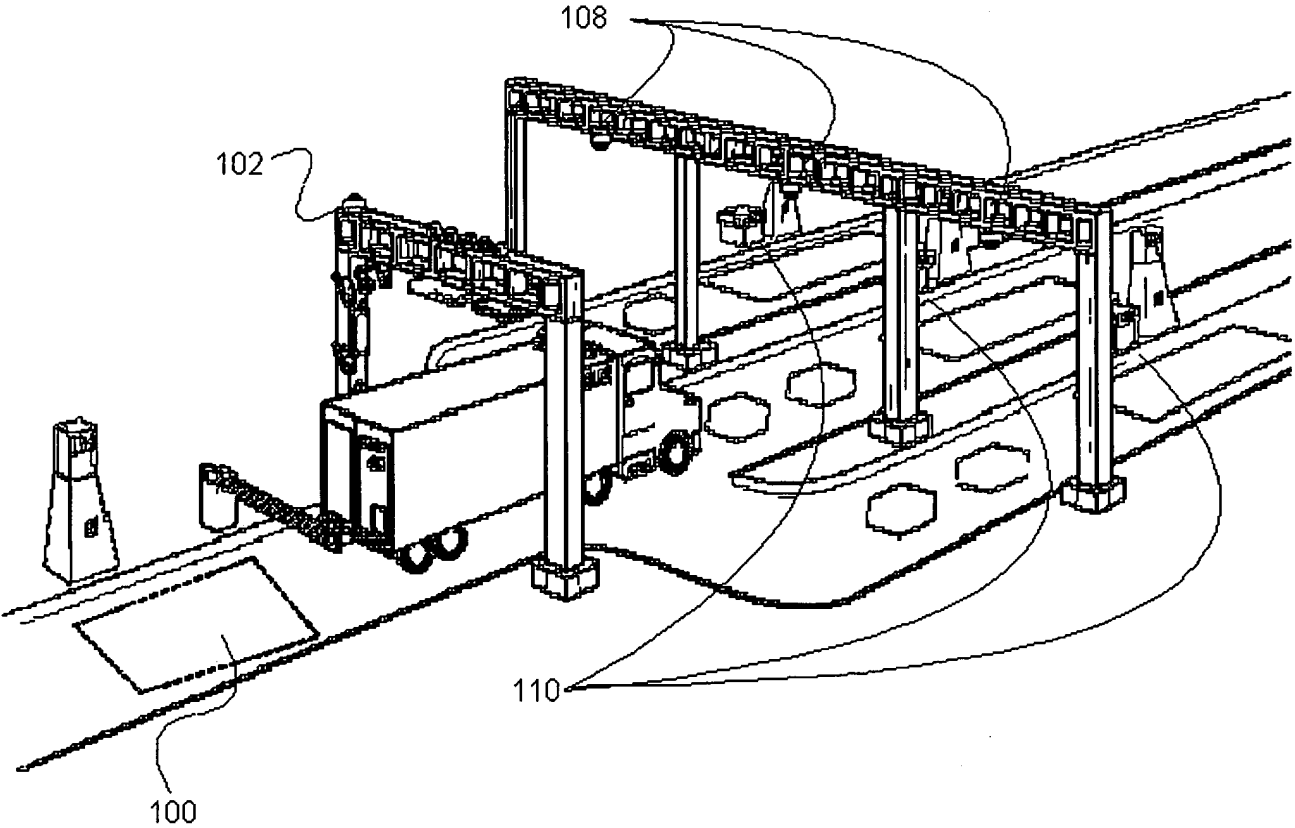


Fig 1b

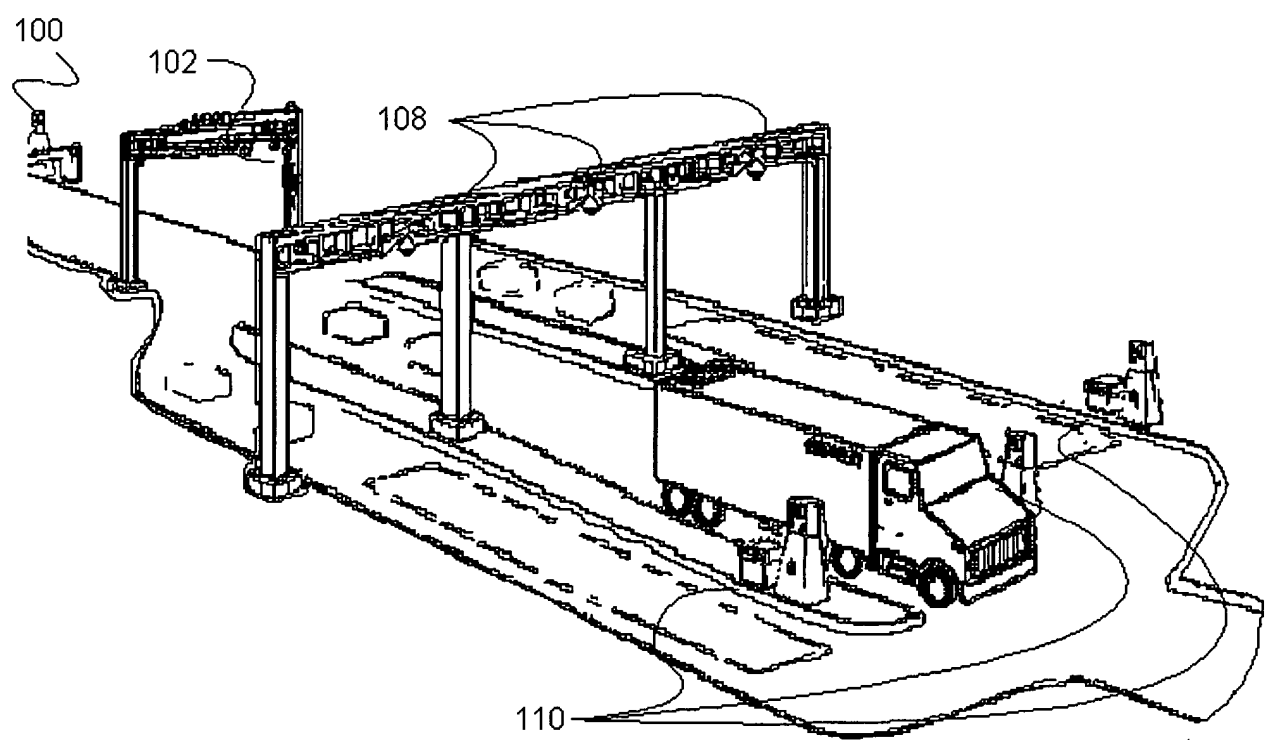


Fig 2

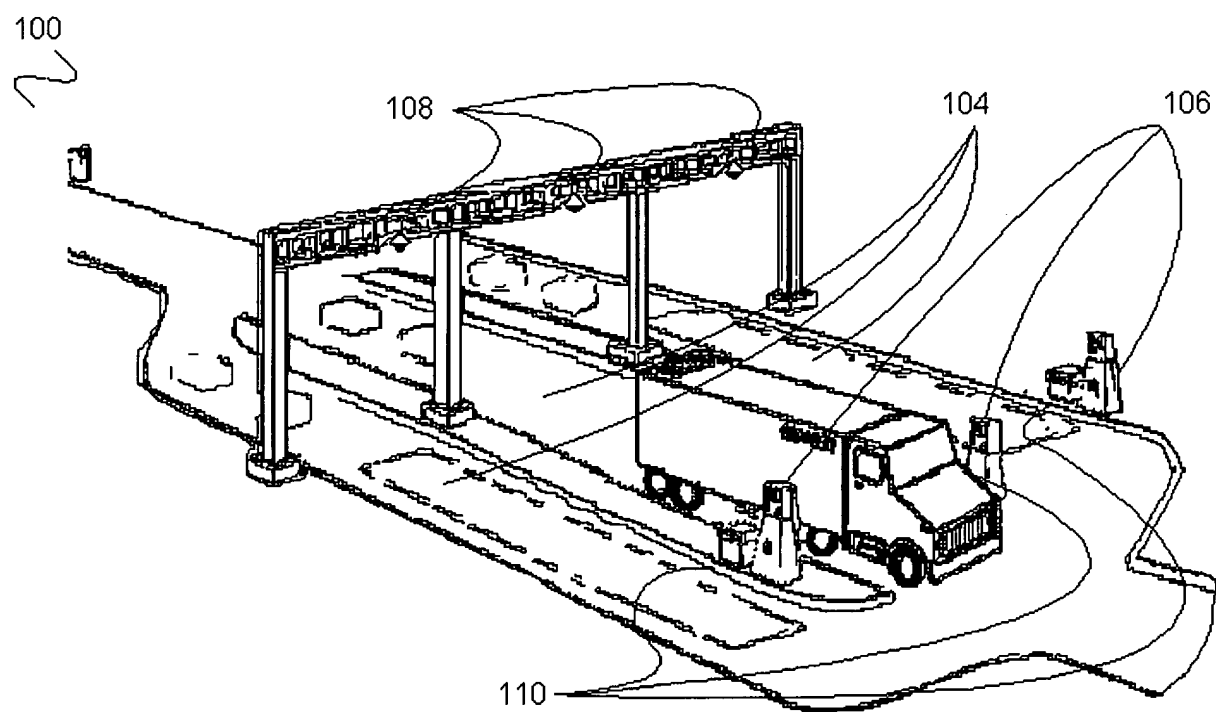


Fig 3a

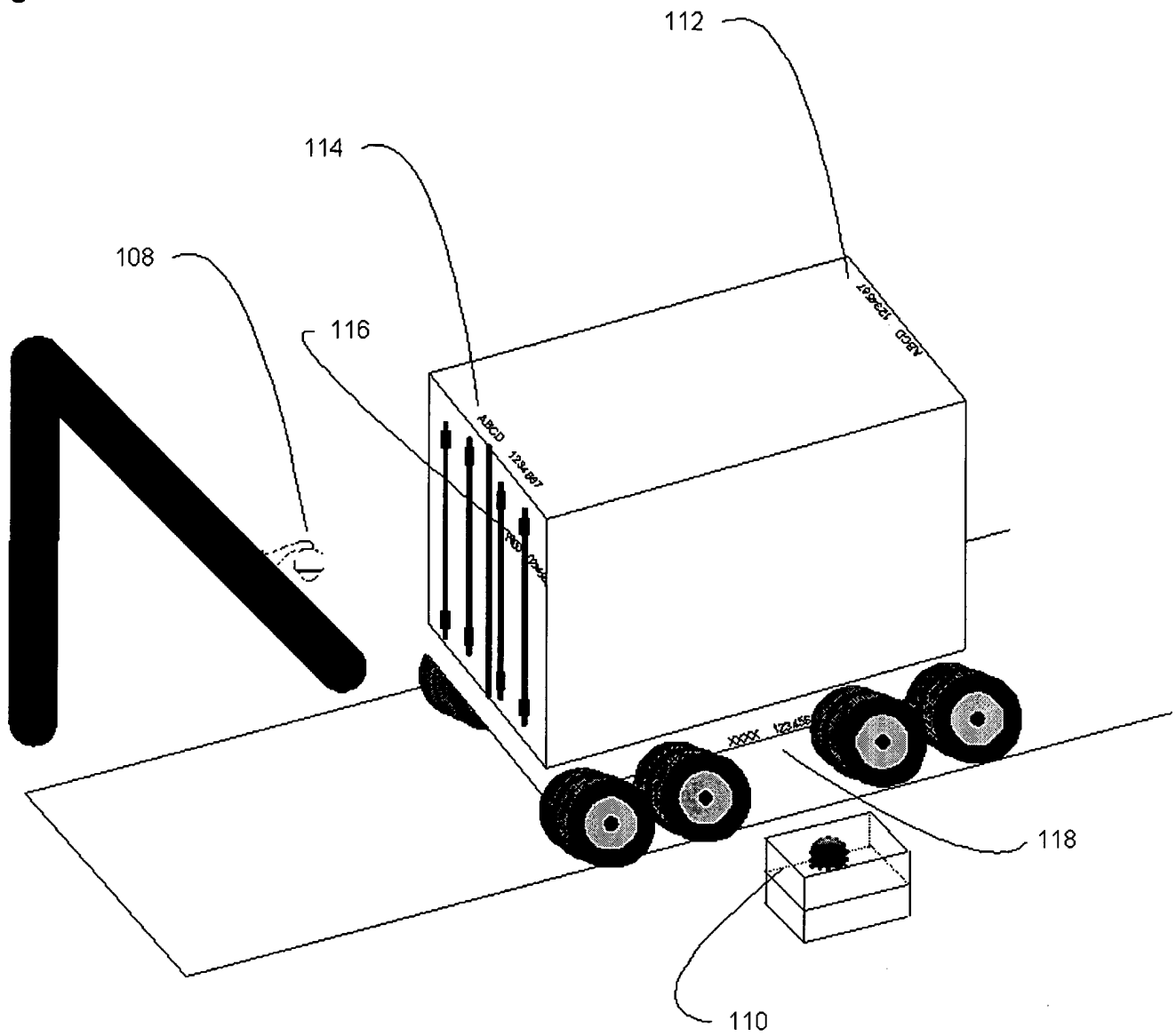


Fig 3b

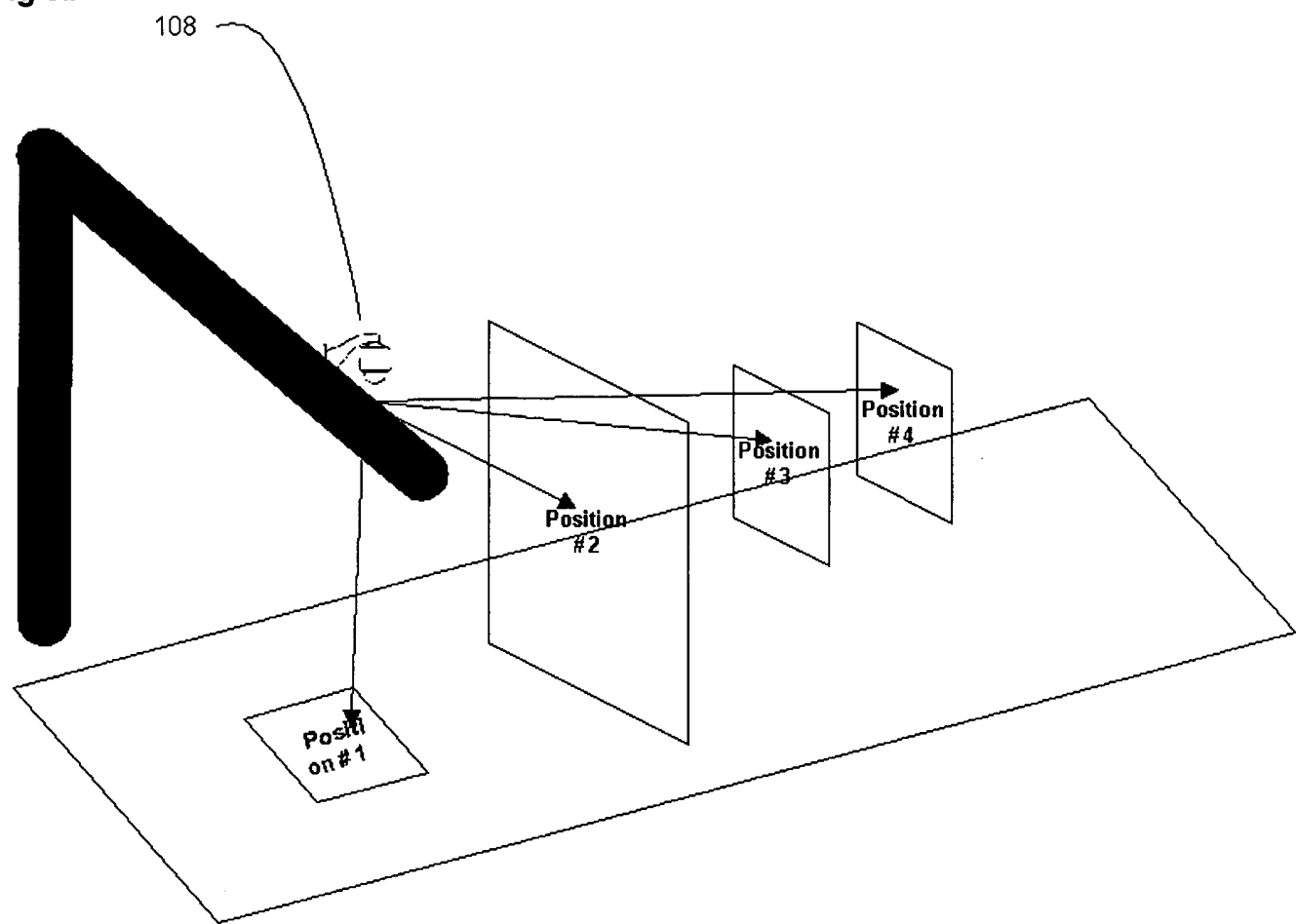


Fig 3c

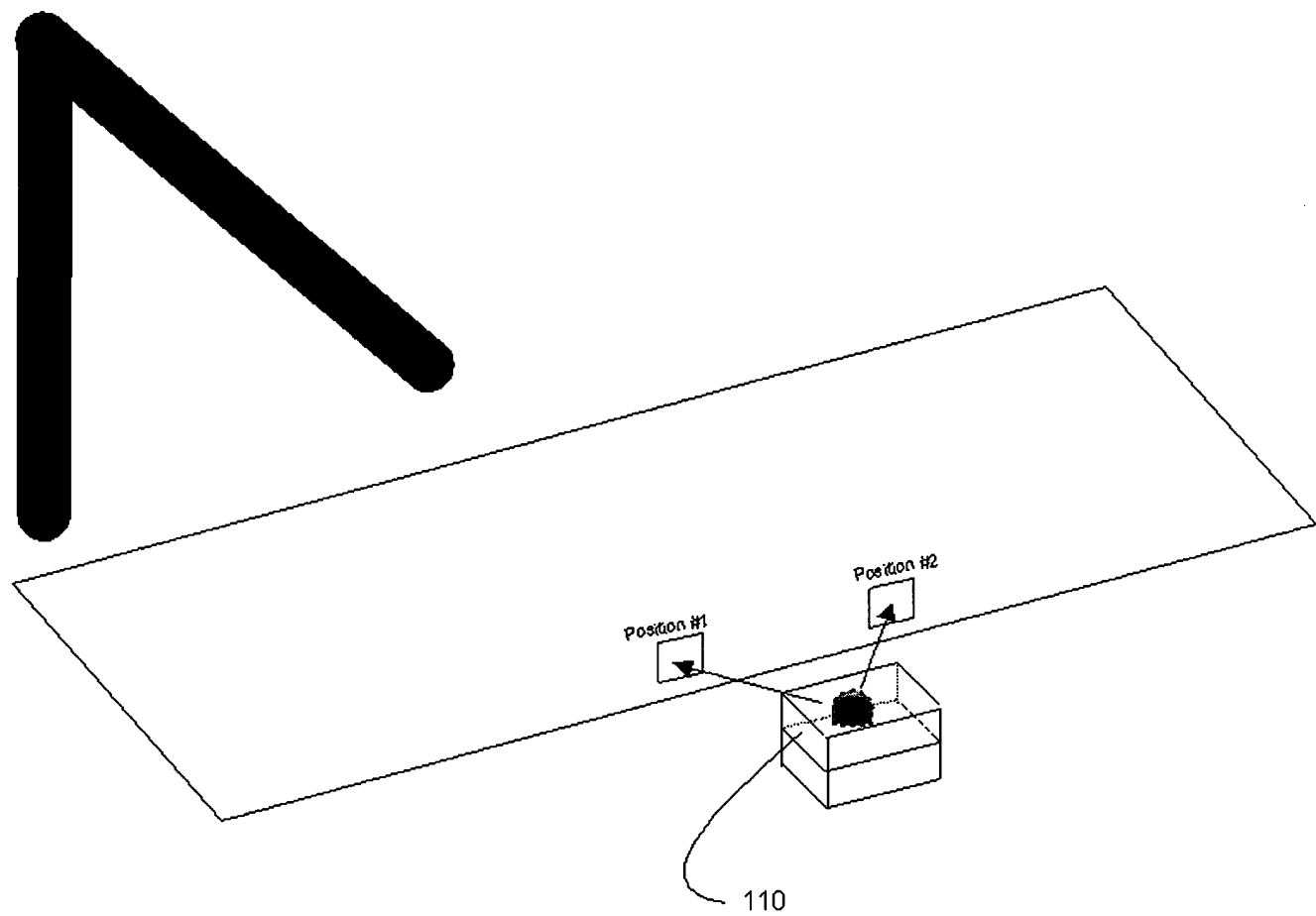
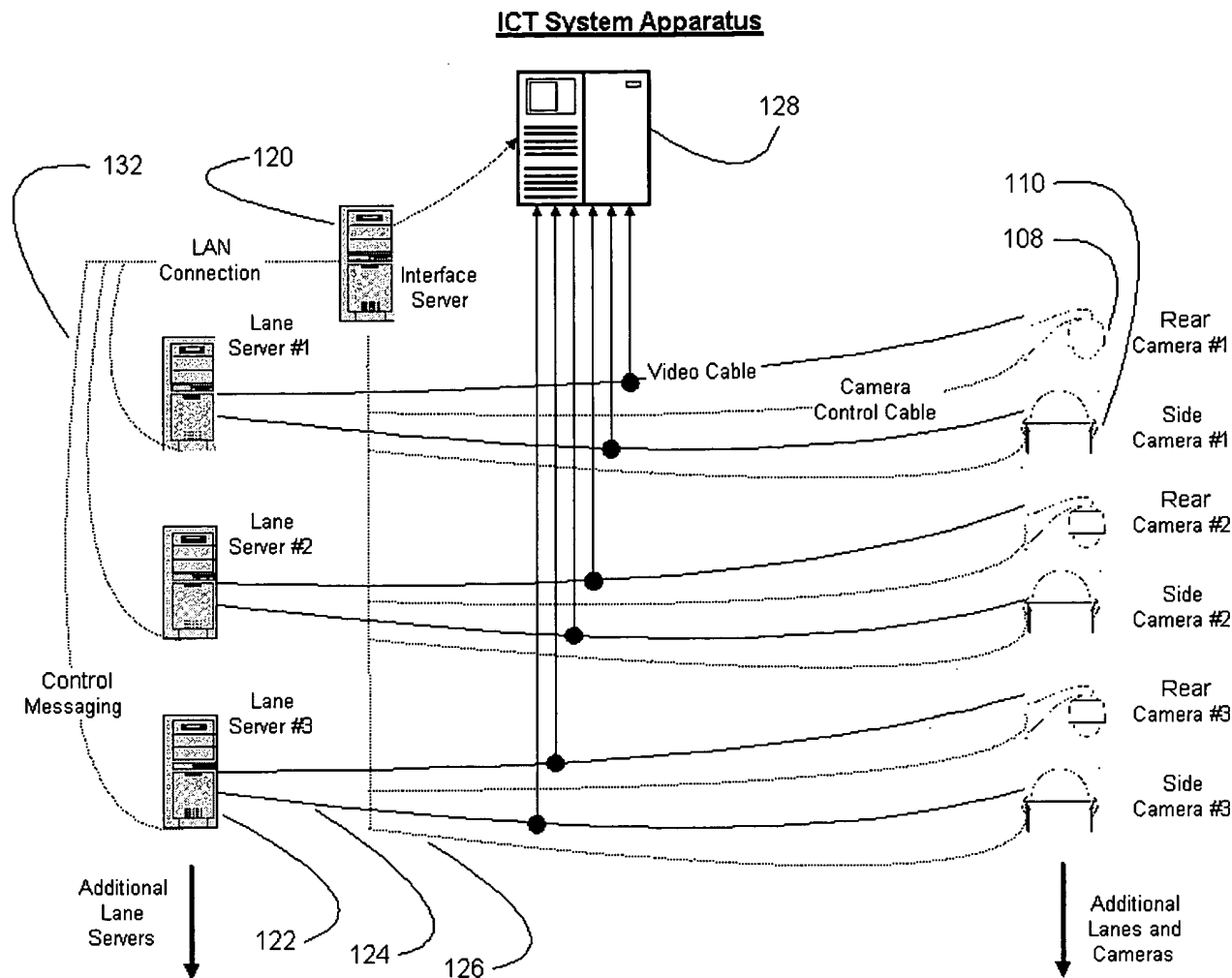


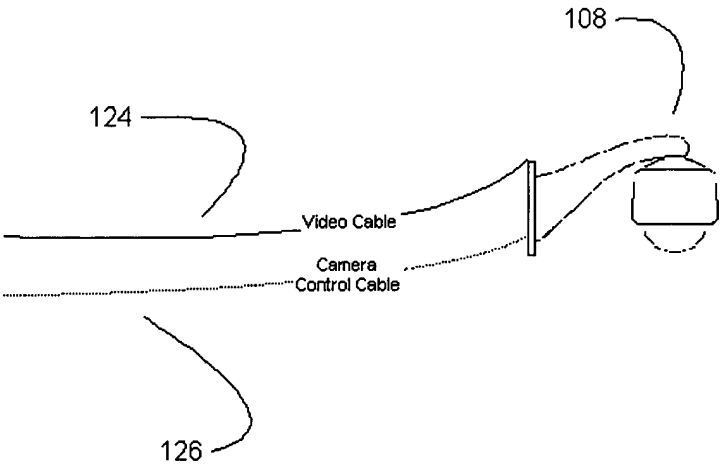
Fig 4a





**Fig 4b**

**Rear Camera**



**Fig 4c**

**Side Camera**

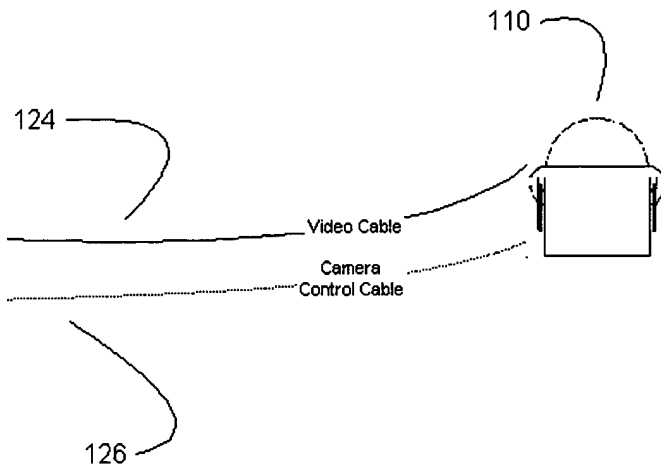


Fig 4d

Lane Server - 1 Lane Configuration

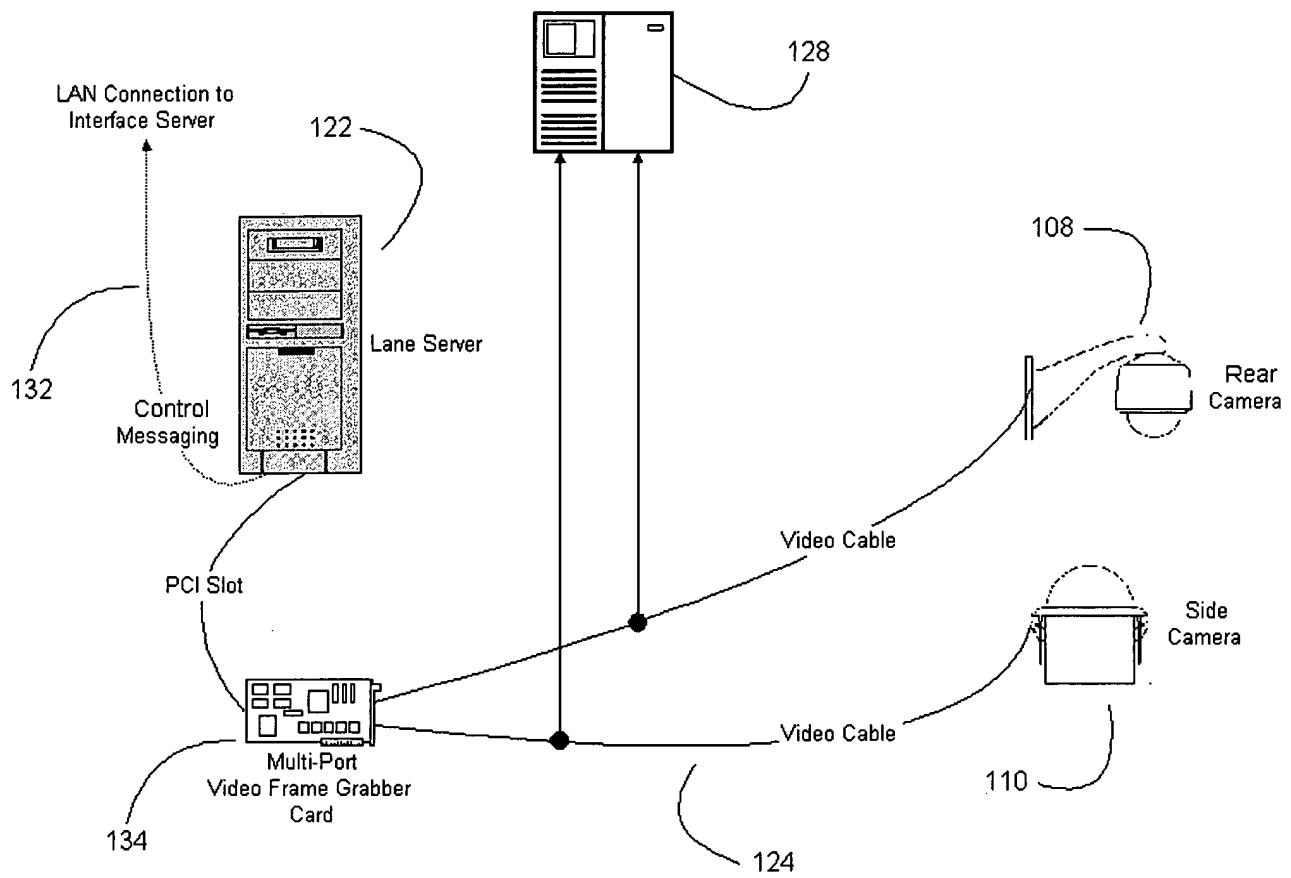


Fig 4e

Lane Server - 2 Lane Configuration

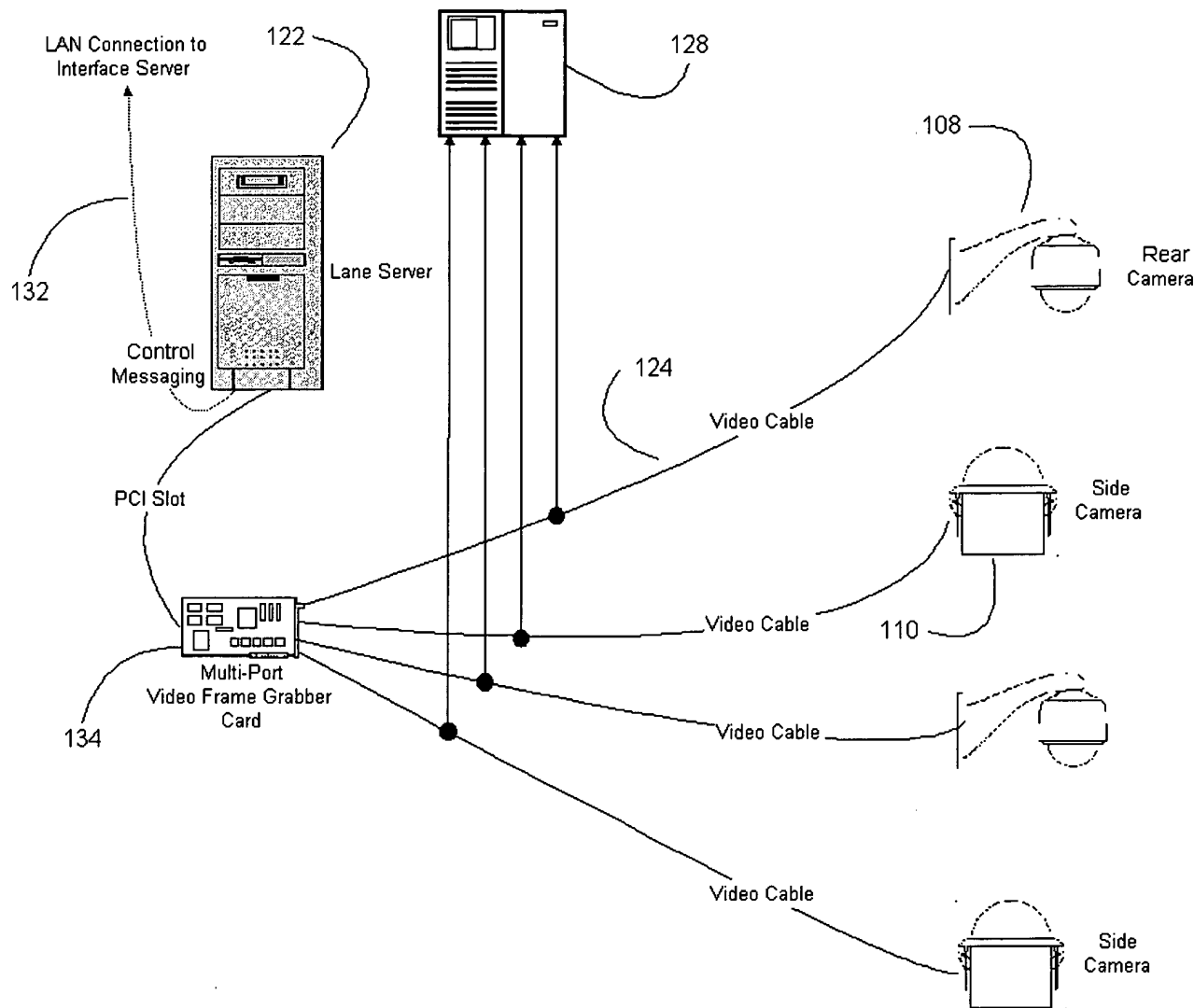


Fig 4f

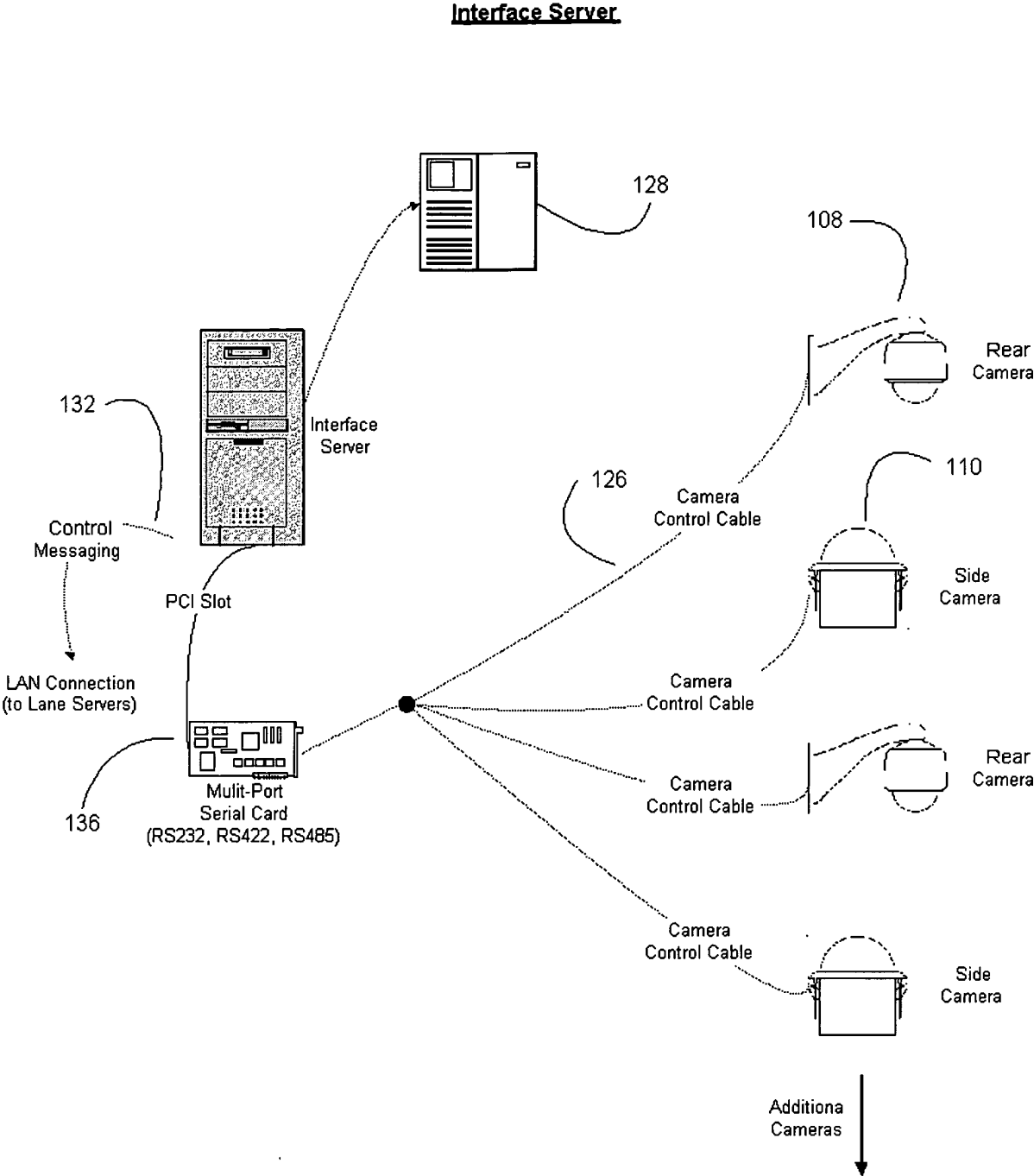


Fig 5a

# **Container Code Search Algorithm** **Mode 1: External-Trigger**

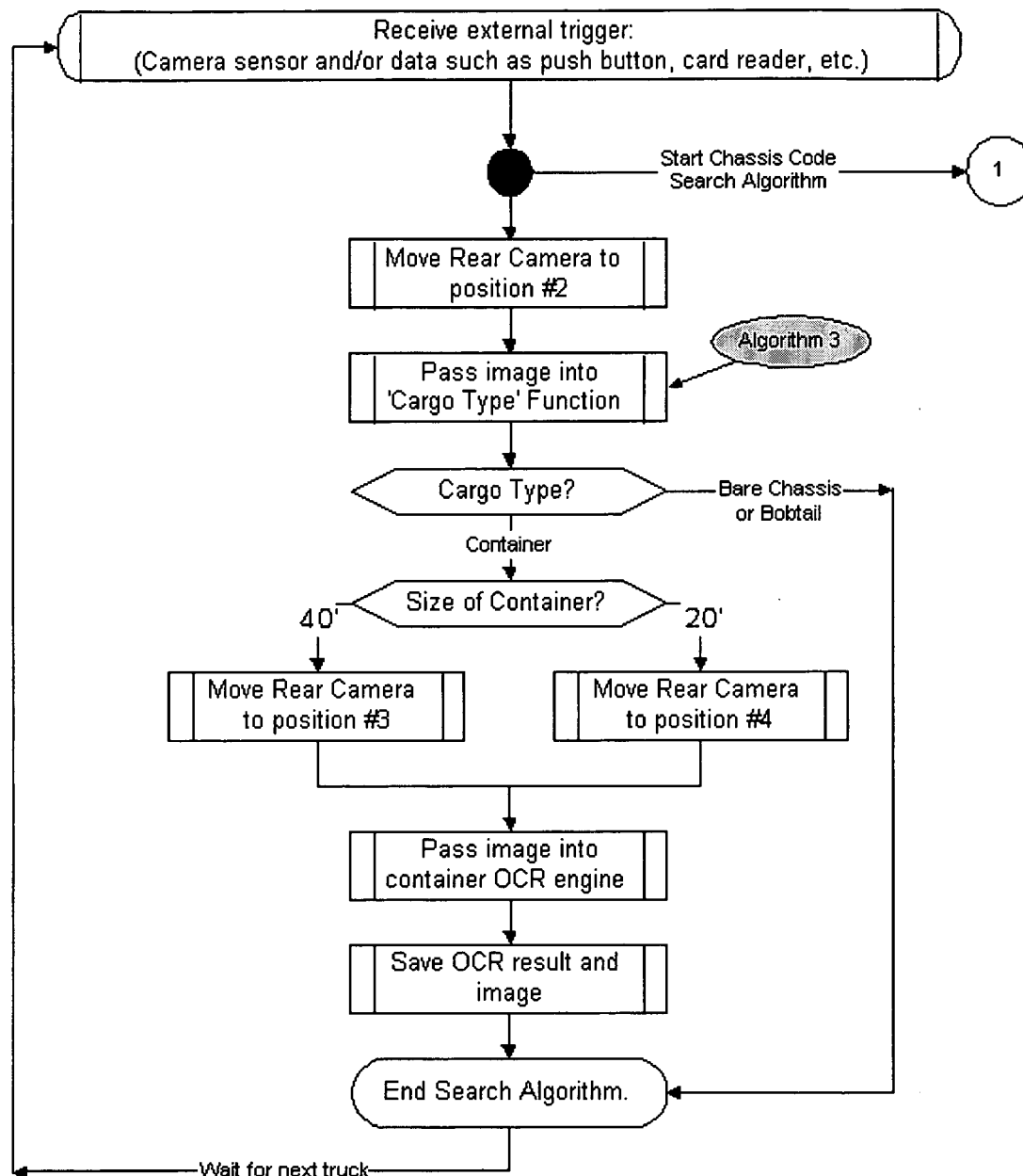


Fig 5b

**Container Code Search Algorithm**  
**Mode 2: Camera-Sensor**

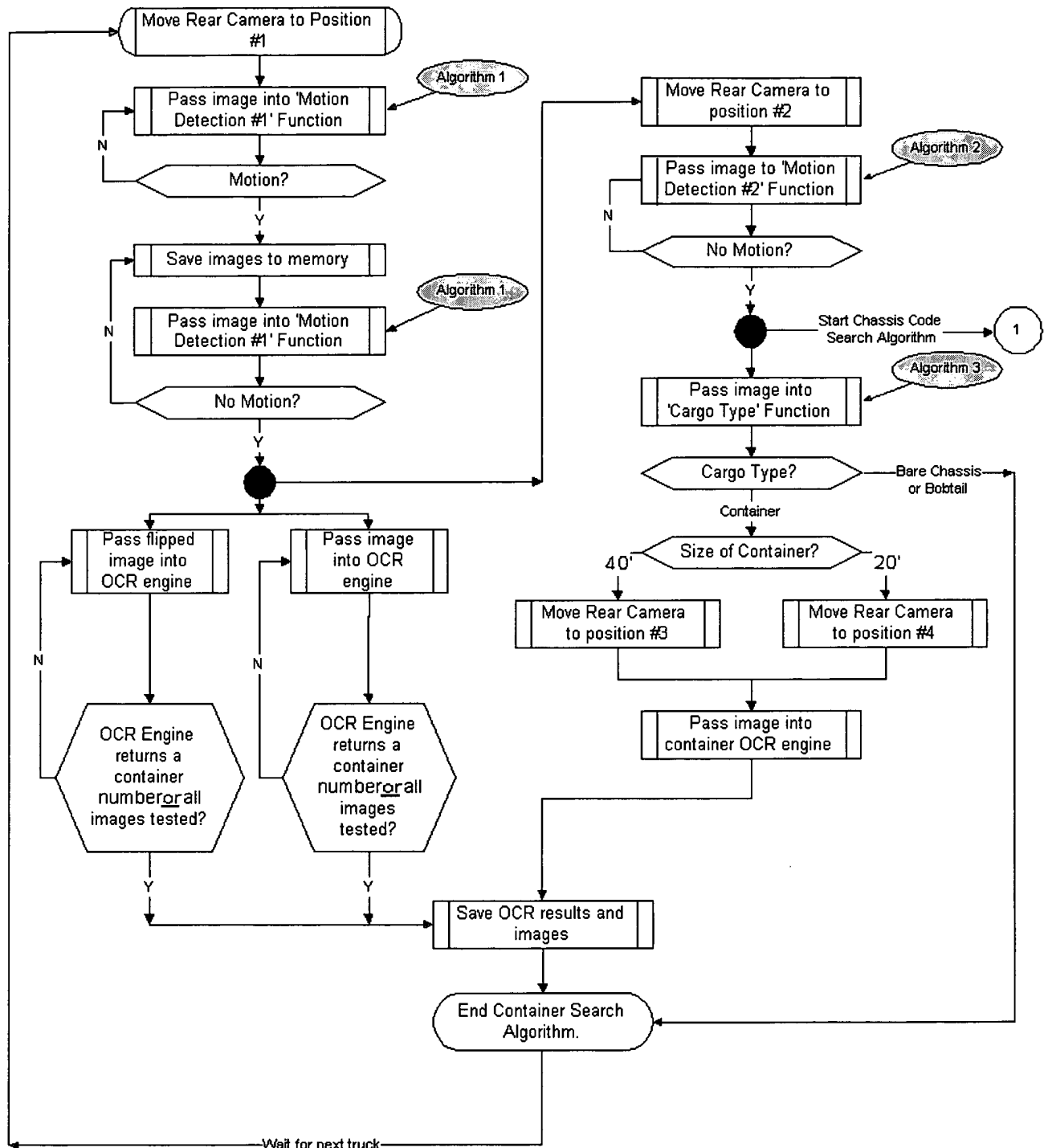


Fig 5c

Chassis Code Search Algorithm

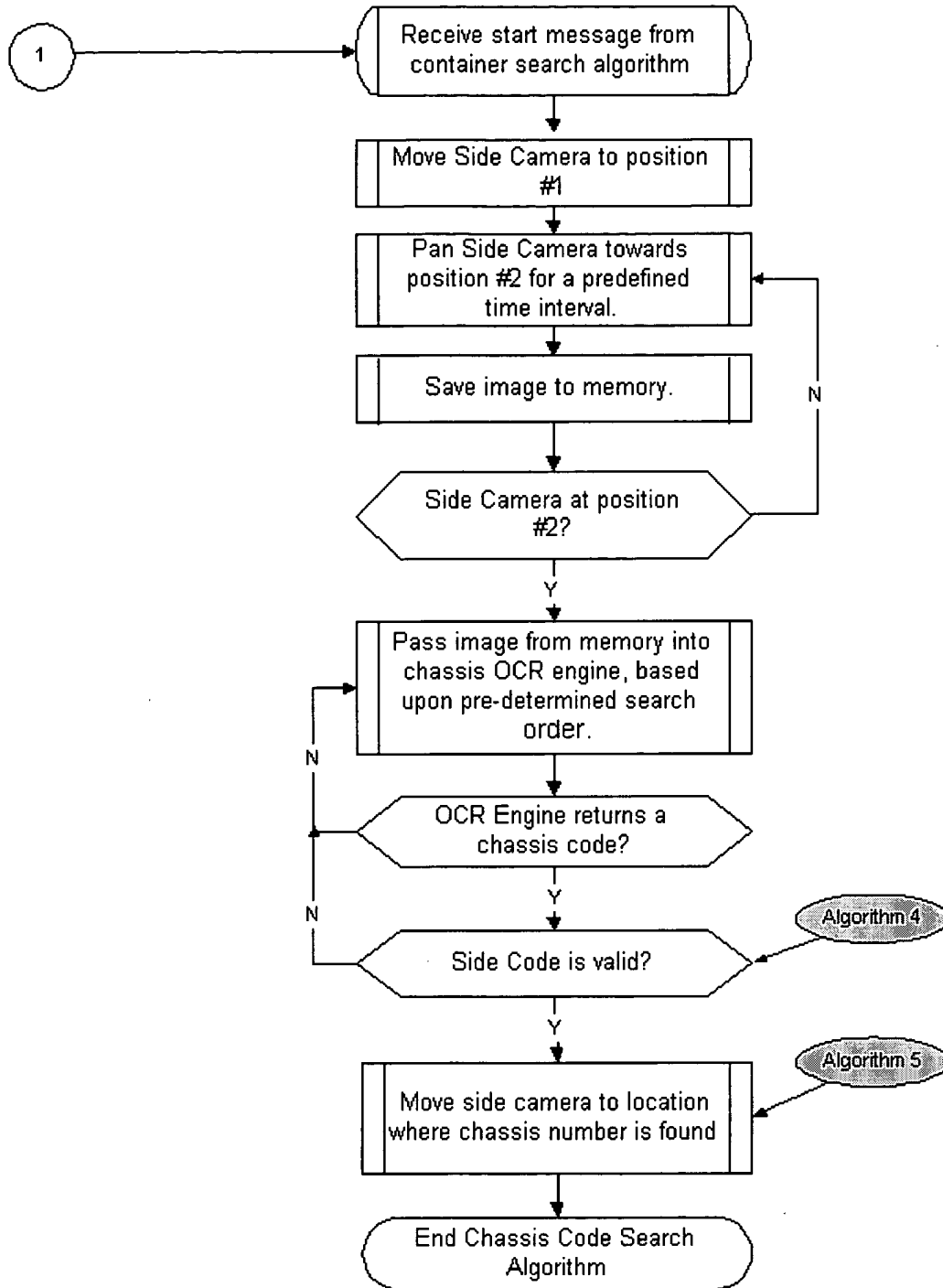




Fig 6a

Algorithm 1: Motion Detection #1

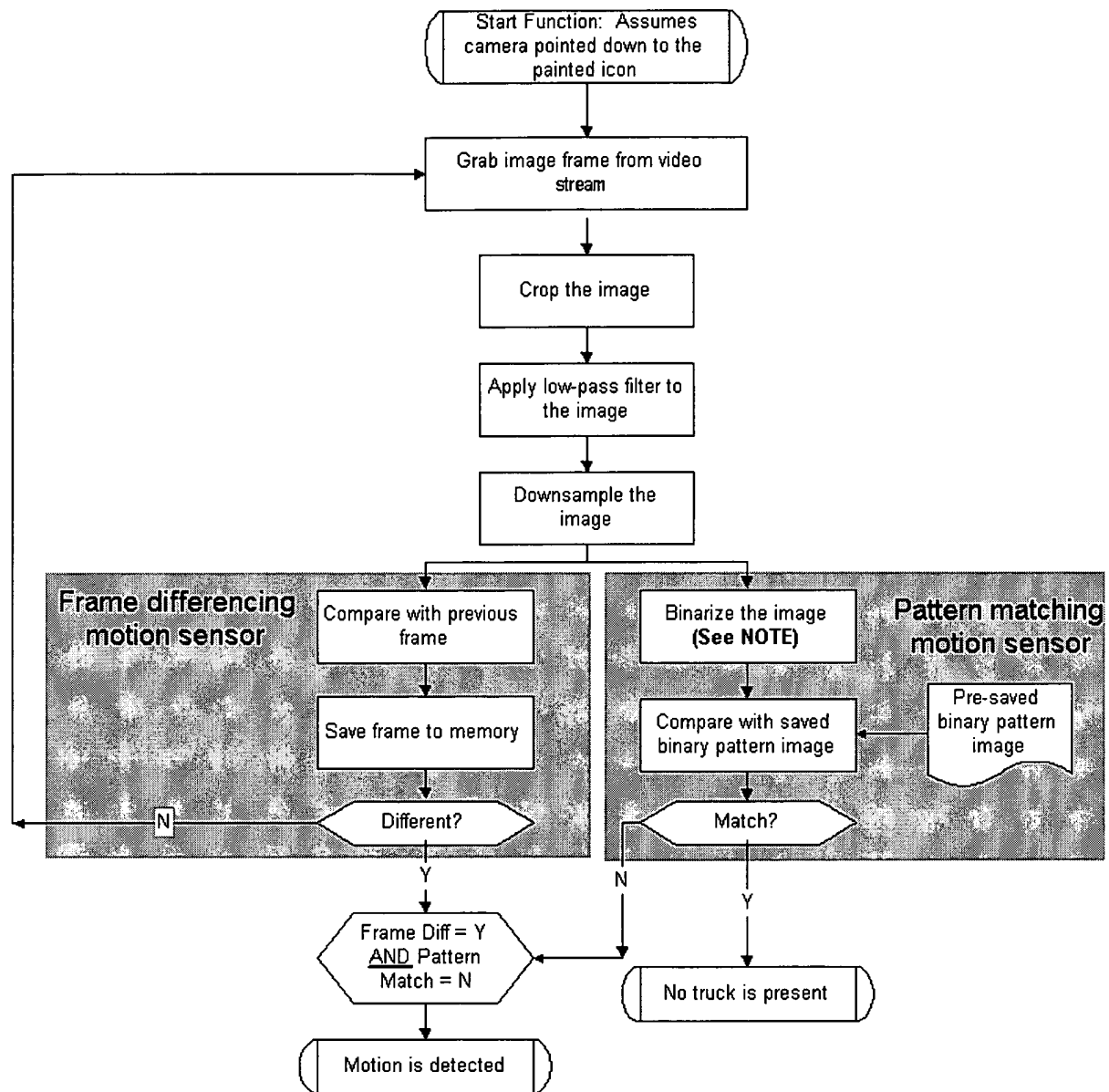


Fig 6b

Algorithm 2: Motion Detection #2

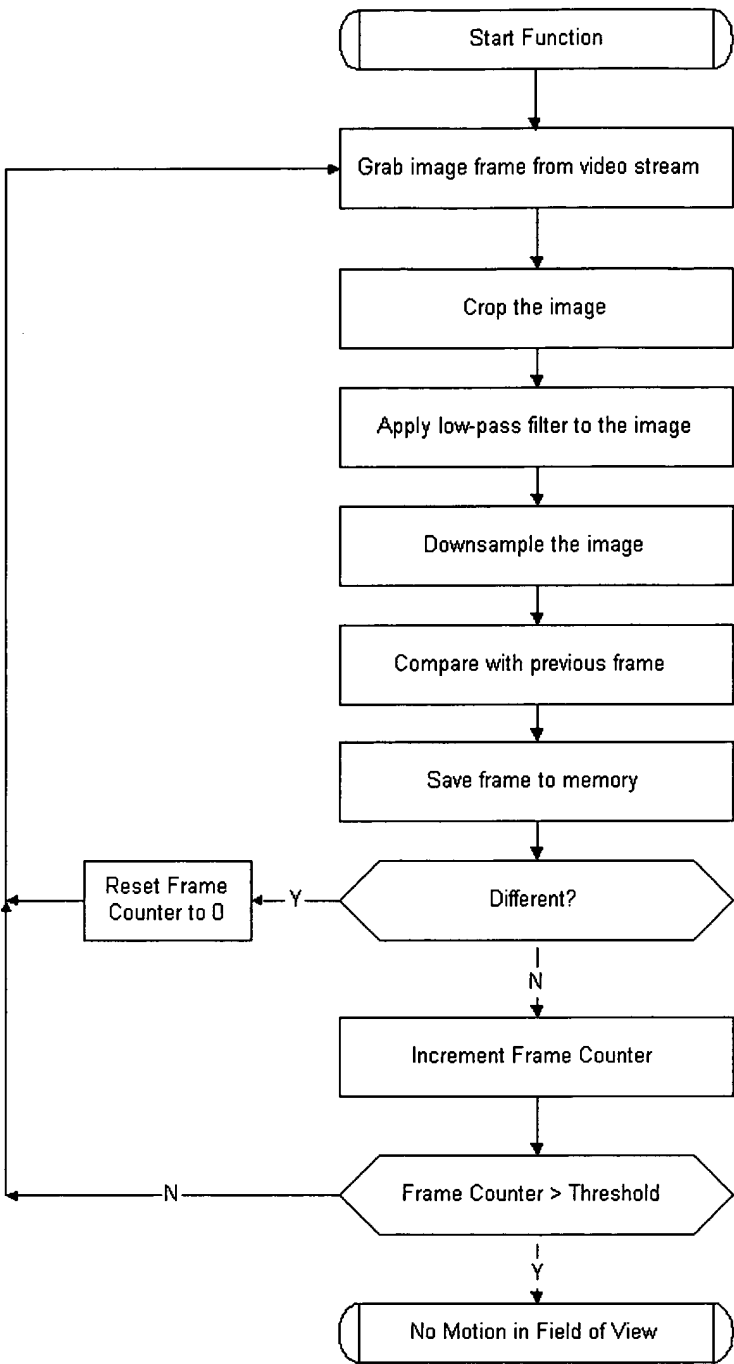


Fig 6c

### Algorithm 3: Cargo Type Determination

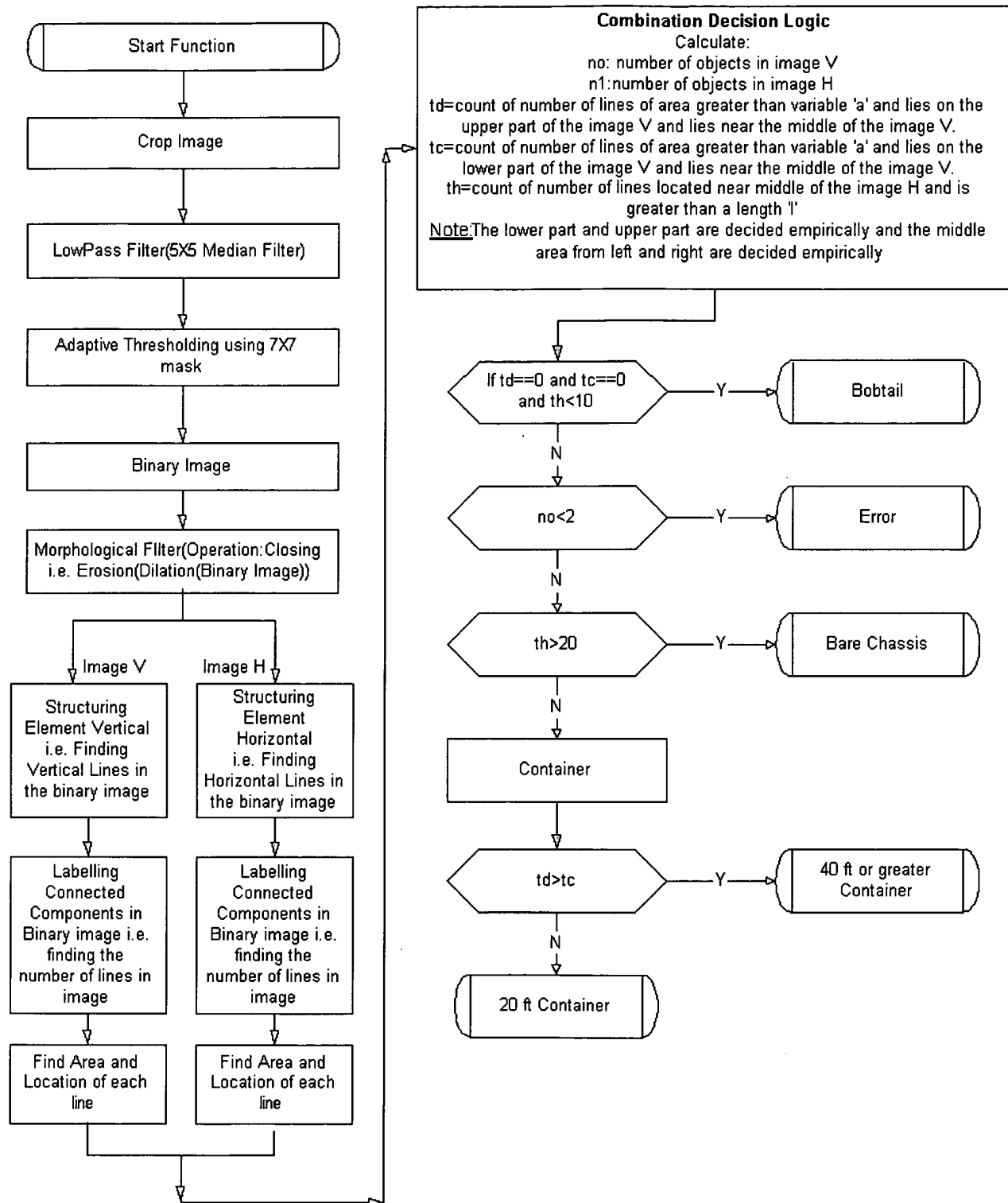


Fig 6d

#### Algorithm 4: Chassis Code Validation

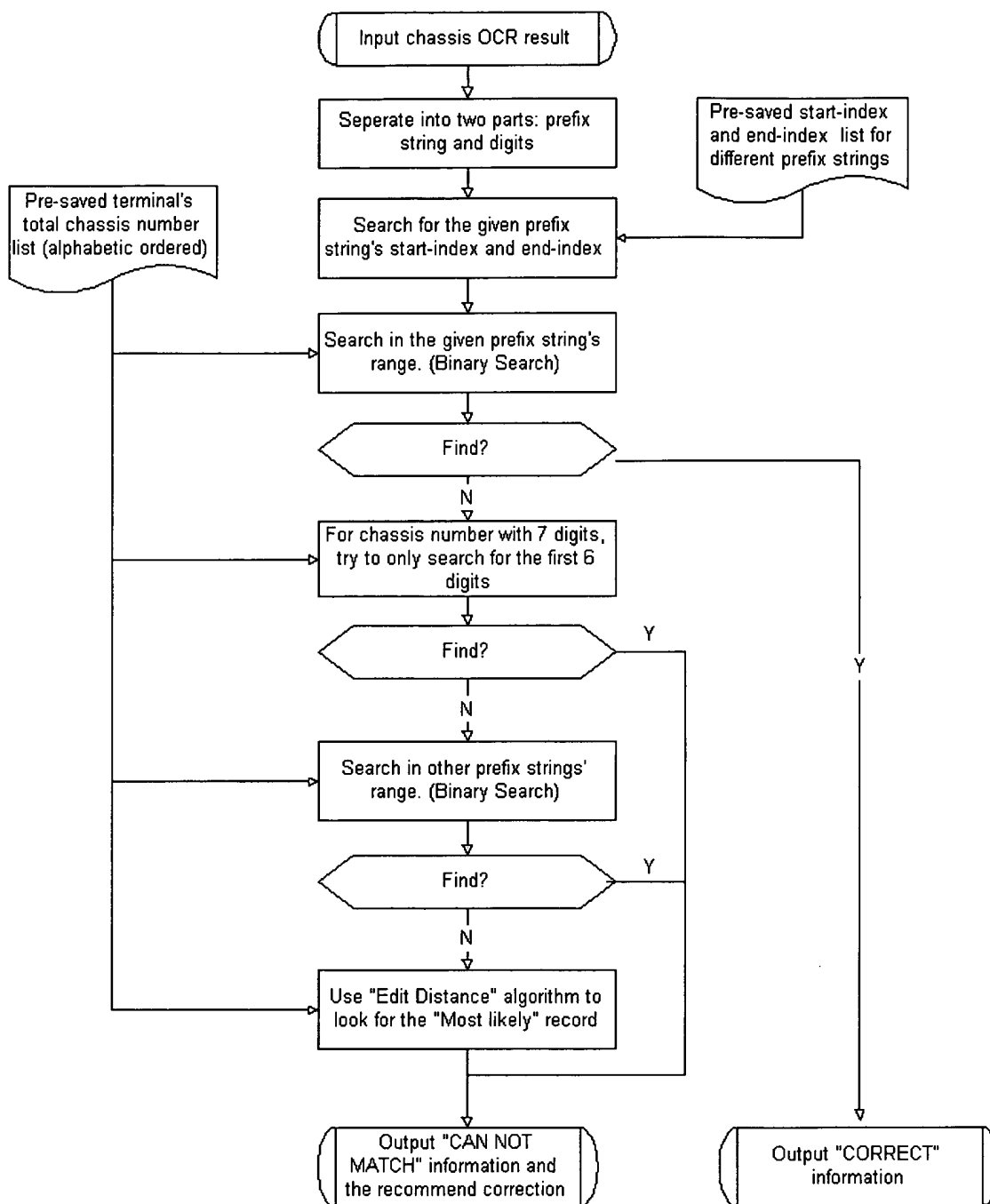


Fig 6e

Algorithm 5: Side Camera Relocation

